

THE QCD GLUON LADDERS AND HERA  
STRUCTURE FUNCTION

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S u m m a r y

We report on the extension of the data fitting considering a QCD inspired model based on the summation of gluon ladders applied to the ep scattering. In lines of a two Pomeron approach, the structure function  $F_2$  has a hard piece given by the model and the remaining soft contribution: a soft Pomeron and non-singlet content. In this paper, we carefully estimate the relative role of the hard and the soft pieces from a global fit in a large span of  $x$  and  $Q^2$ .